## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 4, 9, 10, and 14-20 are rejected under 35 U.S.C. 102(b) as being anticipated by British Patent GB1345835A.

In figures 1-9, '835 teaches a method for reducing noise generation in a turbo engine with blade cascades, said method comprising: reducing hydrodynamic pressure fluctuations occurring on the cascades by varying a surface circulation of at least a section of at least one stator 7.

Claims 1-5, 7, 10, 11, 15, and 17-19 are rejected under 35 U.S.C. 102(b) as being anticipated by Schlinker et al. (5,613,649).

In figures 2-5, and columns 1, lines 9-23, and column 2, line 9 to column 3, line 44, Schlinker et al. teach a method for reducing noise generation in a turbo engine with blade cascades, said method comprising: reducing hydrodynamic pressure fluctuations occurring on the cascades by varying a surface circulation of at least a section of at least one stator.

Claims 1-3, 10-13, and 17-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Dunbar et al. (6,292,763).

In figures 4 and 5, Dunbar et al. teach a method for reducing noise generation in a turbo engine with blade cascades, said method comprising: reducing hydrodynamic pressure fluctuations occurring on the cascades by varying a surface circulation of at least a section of at least one stator.

Claims 1, 2, 4, 10, 15, and 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Ho et al. (6,139,259).

In figures 1, and 4-6, Ho et al. teach a method for reducing noise generation in a turbo engine with blade cascades, said method comprising: reducing hydrodynamic pressure fluctuations occurring on the cascades by varying a surface circulation of at least a section of at least one stator.

### *Allowable Subject Matter*

Claims 6 and 8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

### *Prior Art*

Prior art made of record but not relied upon is considered pertinent to Applicant's disclosure and consist of two patents.

Smith et al. (3,316,714) is cited to show a method for reducing noise generation in a turbo engine with blade cascades, said method comprising: reducing hydrodynamic pressure fluctuations occurring on the cascades by varying a surface circulation of at least a section of at least one stator.

Gliebe et al. (5,169,288) is cited to show a method for reducing noise generation in a turbo engine with blade cascades, said method comprising: reducing hydrodynamic pressure fluctuations occurring on the cascades by varying a surface circulation of at least a section of at least one stator.

***Contact information***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Igor Kershteyn whose telephone number is (571) 272-4817. The examiner can normally be reached on regular.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward Look can be reached on (571)2724820. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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